Power Cost Memorandum Fuel Cost Update and Surcharge Change

				Date:	April 20, 202	:3	
Utility Name (Cert. No.)		Utility File N	lo.	Date	e Filed:		
UNALASKA, CITY of (1	06)				April 10, 2023		
PCE AMOUNT	Dro	viously			Staff		
SUMMARY		proved			Recommended		
		-1018AA			PC39-1018BB		
Class		Approved:			Effective Date		
Rate April 7, 2023					April 21, 2023		
Residential	\$0	1974			\$0.1814		
Small General		1974			\$0.1814		
Large General		1974			\$0.1814		
Industrial		1974			\$0.1814		
	☐ Interim ☐	/ Permanent		Interim	✓ Permanent		
D. C. C. I D				N F	December of Defense	A 0.4004	
	hase Price: \$ 3.6779	<u>) </u>			Purchase Price: _	\$ 3.4221	
	Actual Weighted			✓ Ac			
Delivery Charge: _	N/A Surch	arge Change:	Previous	0.24585	Updated _	0.24415	
					 		
Signed:	renda Cox						
	Brenda Cox		•	Utility Financial	Analyst		
Commission decision	re. this recommendat	ion :					
					WRITE		
	Date (if different	I	I DO NOT		SENTING		
-	from 4/20/23)	CONCUR	CONCUR	STATE	EMENT *		
Kurber		KII					
Doyle		B D					
Pickett		RMC BP					
Sullivan		RMP for DS					
Wilson	4/21/23	JWW JWW					

Special Instructions to Staff:

^{*}If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

CITY OF UNALASKA

POWER COST EQUALIZATION CALCULATION BASED ON NON-FUEL COSTS FROM THE TEST YEAR ENDING JUNE 30, 2018 Fuel Cost Update and Surcharge Change

E. Total Fuel and Purchased Power Costs F. Fuel and Purchased Power Costs/KWH G. Eligible Costs/KWH (D + F) Eligible Costs/KWH (G) less base rate in effect I. Lesser of (H) or .8042 cents/kWh Solution Small General Large General Large General Large General Industrial Eligible Costs/KWh (D + F) Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Solution Solution Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solution Solution Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Solut	uei Co	ost Opdate and Surcharge Change	PC39-1018AA		PC39-1018BB
A. Total kWh Generated 57,936,250					
A. Total kWh Generated 57,936,250			_	5 11000	
B. Total kWh Sold (Appendix 2) 55,325,767 55,325,767 55,325,767 C. Total Non-Fuel Costs (Appendix 2) 8,931,391 8,931,391 8,931,391 D. Non-Fuel Cost/KWH (C / B) \$0.1614 \$0.1614 \$0.1614 \$0.1614 E. Total Fuel and Purchased Power Costs 13,399,710 12,467,763 12,467,763 F. Fuel and Purchased Power Costs/KWH G. Eligible Costs/KWH (D + F) \$0.4036 \$0.3868 \$0.3868 H. Eligible Cost/KWH (G) less base rate in effect \$0.2078 \$0.1910 \$0.1910 J. Average Class Rates (Appendix 3) Residential Small General \$0.3054 \$0.3037 \$0.3080 \$0.2805 \$0.2805 \$0.2805 \$0.2805 \$0.2805 \$0.3037 \$0.3037 \$0.3037 \$0.3043 \$0.3443 \$0.3426 \$0.3426 K. Lesser of: (I) x 95%, or (J) Residential Small General \$0.1974 \$0.181				•	
C. Total Non-Fuel Costs (Appendix 2) 8,931,391 8,931,391 8,931,391 D. Non-Fuel Cost/KWH (C / B) \$0.1614 \$0.1614 \$0.1614 E. Total Fuel and Purchased Power Costs 13,399,710 12,467,763 12,467,763 F. Fuel and Purchased Power Costs/KWH \$0.2422 \$0.2254 \$0.2254 G. Eligible Cost/KWH (D + F) \$0.4036 \$0.3868 \$0.3868 H. Eligible Cost/KWH (G) \$0.2078 \$0.1910 \$0.1910 I. Lesser of (H) or .8042 cents/kWh \$0.2078 \$0.1910 \$0.1910 J. Average Class Rates (Appendix 3) \$0.3097 \$0.3080 \$0.3080 Residential \$0.2822 \$0.2805 \$0.2805 Large General \$0.3054 \$0.3037 \$0.3037 Industrial \$0.3443 \$0.3426 \$0.3426 Class Power Cost Equalization Per kWh Payable \$0.1974 \$0.1814 \$0.1814 K. Lesser of: (I) x 95%, or (J) \$0.1974 \$0.1814 \$0.1814 Residential \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Industrial \$0.1974	A.	Total kWh Generated	57,936,250	57,936,250	57,936,250
D. Non-Fuel Cost/KWH (C / B) E. Total Fuel and Purchased Power Costs F. Fuel and Purchased Power Costs/KWH G. Eligible Costs/KWH (D + F) Eligible Cost/KWH (G) less base rate in effect J. Average Class Rates (Appendix 3) Residential Small General Industrial K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Industrial L. Funding Level in Effect So.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.1614 \$0.12467,763 12,467,763	B.	Total kWh Sold (Appendix 2)	55,325,767	55,325,767	55,325,767
E. Total Fuel and Purchased Power Costs F. Fuel and Purchased Power Costs/KWH G. Eligible Costs/KWH (D + F) Eligible Cost/KWH (G) less base rate in effect I. Lesser of (H) or .8042 cents/kWh Solution Small General Large General Solution Small General Large General Solution Special Solution Residential Small General Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Small General Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Small General Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Small General Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Small General Solution Special Solution Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential Solution Special Solution Special Solution Special	C.	Total Non-Fuel Costs (Appendix 2)	8,931,391	8,931,391	8,931,391
F. Fuel and Purchased Power Costs/KWH G. Eligible Costs/KWH (D + F) Eligible Cost/KWH (G) less base rate in effect I. Lesser of (H) or .8042 cents/kWh Soc. 2078 Soc. 2078 Soc. 1910	D.	Non-Fuel Cost/KWH (C / B)	\$0.1614	\$0.1614	\$0.1614
G. Eligible Costs/KWH (D + F) \$0.4036	E.	Total Fuel and Purchased Power Costs	13,399,710	12,467,763	12,467,763
H. Eligible Cost/KWH (G) less base rate in effect \$0.2078 \$0.1910 \$0.1910 I. Lesser of (H) or .8042 cents/kWh \$0.2078 \$0.1910 \$0.1910 \$0.1910 J. Average Class Rates (Appendix 3) Residential \$0.3097 \$0.3080 \$0.3080 Small General \$0.2822 \$0.2805 \$0.2805 Large General \$0.3054 \$0.3037 \$0.3037 Industrial \$0.3443 \$0.3426 \$0.3426 Class Power Cost Equalization Per kWh Payable K. Lesser of: (I) x 95%, or (J) Residential \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Industrial \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814	F.	Fuel and Purchased Power Costs/KWH	\$0.2422	\$0.2254	\$0.2254
Lesser of (H) or .8042 cents/kWh \$0.2078 \$0.1910 \$0.1910 J. Average Class Rates (Appendix 3) Residential \$0.3097 \$0.3080 \$0.30	G.	Eligible Costs/KWH (D + F)	\$0.4036	\$0.3868	\$0.3868
I. Lesser of (H) or .8042 cents/kWh J. Average Class Rates (Appendix 3) Residential Small General Large General Industrial K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Small General	Н.	Eligible Cost/KWH (G)			
J. Average Class Rates (Appendix 3) Residential Small General Large General Industrial K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Small General		less base rate in effect	\$0.2078	\$0.1910	\$0.1910
Residential \$0.3097 \$0.3080 \$0.3080 \$0.3080 \$0.3080 \$0.2822 \$0.2805 \$0.2805 \$0.2805 \$0.3037 \$0.3037 \$0.3037 \$0.3037 \$0.3037 \$0.3037 \$0.30426 \$0.3443 \$0.3426	I.	Lesser of (H) or .8042 cents/kWh	\$0.2078	\$0.1910	\$0.1910
Small General	J.		* • • • • •	* 0.000	* ***********************************
Large General \$0.3054 \$0.3037 \$0.3037 \$0.3037 \$0.3426			*	•	•
Source S					
K. Lesser of: (I) x 95%, or (J) Residential \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Industrial \$0.1974 \$0.1814 \$0.1814 L. Funding Level in Effect 100% 100% Residential \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814					\$0.3426
K. Lesser of: (I) x 95%, or (J) Residential \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Industrial \$0.1974 \$0.1814 \$0.1814 L. Funding Level in Effect 100% 100% Residential \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814			Olasa	Danie Cart Fried	: 4 : - :-
K. Lesser of: (I) x 95%, or (J) \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814 Industrial \$0.1974 \$0.1814 \$0.1814 L. Funding Level in Effect 100% 100% 100% Residential \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814			Class		
Residential \$0.1974 \$0.1814				reikwiirayabi	
Small General Large General Large General \$0.1974 \$0.1814 \$0.1814 \$0.1814 Industrial \$0.1974 \$0.1814 \$0.1814 L. Funding Level in Effect 100% 100% 100% Residential Small General Large General \$0.1974 \$0.1814 \$0.1814 \$0.1814 \$0.1974 \$0.1814 \$0.1814 \$0.1814 \$0.1814	K.	Lesser of: (I) x 95%, or (J)			
Large General Industrial \$0.1974 \$0.1814 \$0.1814 L. Funding Level in Effect 100% 100% 100% Residential Small General Large General \$0.1974 \$0.1814 \$0.1814 \$0.1974 \$0.1814 \$0.1814 \$0.1814				·	\$0.1814
Solution				·	•
L. Funding Level in Effect 100% 100% 100% Residential Small General Large General \$0.1974 \$0.1814 \$0.1814 \$0.1974 \$0.1814 \$0.1814 \$0.1974 \$0.1814 \$0.1814		•			
Residential \$0.1974 \$0.1814 \$0.1814 Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814		Industrial	\$0.1974	\$0.1814	\$0.1814
Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814	L.	Funding Level in Effect	100%	100%	100%
Small General \$0.1974 \$0.1814 \$0.1814 Large General \$0.1974 \$0.1814 \$0.1814		Posidontial	\$0.197 <i>4</i>	¢በ 181 <i>ለ</i>	\$0.181 <i>4</i>
Large General \$0.1974 \$0.1814 \$0.1814					
					\$0.1814
		Industrial	\$0.1974	\$0.1814	\$0.1814

CITY OF UNALASKA

SCHEDULE OF ELIGIBLE POWER COSTS, SALES AND EFFICIENCY BASED ON NON-FUEL COSTS FROM THE TEST YEAR ENDING JUNE 30, 2018 Fuel Cost Update and Surcharge Change

i uc	i Cost Opdate and Surcharge C	znang	_	PC39-1018AA	PC39-1018BB	
				Prior Commission		Staff
Nor	n-Fuel Costs:		Approval	Per Utility	Recommended	
					•	
A.	Personnel Costs		2,342,446	2,342,446	2,342,446	
В.	Operating Expenses			8,709	8,709	8,709
C.	General and Administrative/Fa	acilitie	s Main.	126,448	126,448	126,448
D.	Administration			1,510,037	1,510,037	1,510,037
E.	Interest Expense/Power Produ	uction		542,674	542,674	542,674
F.	Other (Describe)/Line Repair	& Mai	nt.	1,201,781	1,201,781	1,201,781
G.	Depreciaiton			3,199,297	3,199,297	3,199,297
Н.	Total Non-Fuel Costs			8,931,391	8,931,391	8,931,391
Fue	l Costs:					
l.	Gallons Consumed for Electric Generation			3,643,265	3,643,265	3,643,265
J.	Price of Fuel: (per gal.)	ce of Fuel: (per gal.) 3/31/2023 \$3.6779 \$3.42		\$3.4221	\$3.4221	
K.	Total Cost of Fuel			\$13,399,710	\$12,467,763	\$12,467,763
L.	Total Cost of Purchased Power	er		\$0	\$0	\$0
M.	TOTAL fuel cost & purchased	powe	r	\$13,399,710	\$12,467,763	\$12,467,763
N.	kWh Sold			55,325,767	55,325,767	55,325,767
Ο.	kWh Station Service			866,641	866,641	866,641
Ρ.	Efficiency	<u>≥</u>	13.5	15.90	15.90	15.90
	Line Loss 'h generated-(kWh sold + Statio	<u>≤</u> on Se	12% rvice))/kWh	3.01%	3.01%	3.01%

CITY OF UNALASKA

Surcharge	0.244150
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Calculation of Average Class Rate per kWh

Rate Schedu	ıle: Residential			Customer	Charge (CC):	\$8.50
(1)	(2)	(3)	(4)	(5)	(6)	(7)
kWh		Surcharge	Total	Total	Avg.	Avg. Rate
by	Rate	If Applicable	(\$/kWh)	\$	(\$/kWh)	(\$/kWh) -
Block	(\$/kWh)	(\$/kWh)	(2+3)	(1x4)+CC	(5)/(1)	0.1958
						kWh
750	0.248300	0.244150	0.492450	377.84	0.50378	0.3080
750	0.248300	0.244150	0.492450	377.84	0.50378	0.3080
750	0.248300	0.244150	0.492450	377.84	0.50378	0.3080
750	0.248300	0.244150	0.492450	377.84	0.50378	0.3080

Rate Schedu	le: Small Gener	al		Customer	Charge (CC):	\$10.61
(1)	(2)	(3)	(4)	(5)	(6)	(7)
kWh		Surcharge	Total	Total	Avg.	Avg. Rate
by	Rate	If Applicable	(\$/kWh)	\$	(\$/kWh)	(\$/kWh) -
Block	(\$/kWh)	(\$/kWh)	(2+3)	(1x4)+CC	(5)/(1)	0.1958
	, ,	, ,	, ,	, ,	, , , ,	kWh
750	0.218000	0.244150	0.462150	357.22	0.47630	0.2805
750				357.22	0.47630	0.2805
TOTAL (A)				557.22	0.47030	(E)

Rate Schedu	le: Large Genera	al		Customer	Charge (CC):	\$53.07
(1)	(2)	(3)	(4)	(5)	(6)	(7)
kWh		Surcharge	Total	Total	Avg.	Avg. Rate
by	Rate	If Applicable	(\$/kWh)	\$	(\$/kWh)	(\$/kWh) -
Block	(\$/kWh)	(\$/kWh)	(2+3)	(1x4)+CC	(5)/(1)	0.1958
						kWh
750	0.184600	0.244150	0.428750	374.63	0.49951	0.3037
750 TOTAL (A)				374.63	0.49951	0.3037 (E)

Rate Schedu	le: Industrial			Customer	Charge (CC):	\$106.13
(1)	(2)	(3)	(4)	(5)	(6)	(7)
kWh		Surcharge	Total	Total	Avg.	Avg. Rate
by	Rate	If Applicable	(\$/kWh)	\$	(\$/kWh)	(\$/kWh) -
Block	(\$/kWh)	(\$/kWh)	(2+3)	(1x4)+CC	(5)/(1)	0.1958
						kWh
750	0.152700	0.244150	0.396850	403.77	0.53836	0.3426
750				403.77	0.53836	0.3426

TOTAL (A) (E)

Signature: Bob Pickett (Apr 21, 2023 05:33 AKDT)

Email: bob.pickett@alaska.gov

Signature: Janis W. Wilson

Janis W. Wilson (Apr 21, 2023 07:44 AKDT)

Email: janis.wilson@alaska.gov

Signature: Keith Kurber | Keith Kurb Email: keith.kurber@alaska.gov

Signature: Bob Doyle
Bob Doyle (Apr 20. 20:

Email: bob.doyle@alaska.gov

PC39-1018BB Appendix 3